



CITY OF SANTA BARBARA

COUNCIL AGENDA REPORT

AGENDA DATE: March 13, 2007

TO: Mayor and Councilmembers

FROM: Engineering Division, Public Works Department

SUBJECT: Notice Of Completion For The Westside Drain Summer Urban Runoff Facility Project

RECOMMENDATION:

That Council accept the work completed by Specialty Construction, Incorporated (Specialty), Contract No. 22,023, for the Westside Drain Summer Urban Runoff Facility (Westside SURF) Project, Bid No. 3466, in the final contract amount of \$698,986.47, including approved changes, and approve filing of a Notice of Completion.

DISCUSSION:

BACKGROUND

The primary purpose of the Westside SURF Project was to reduce pathogens in Old Mission Creek by diverting dry weather (April 1 to October 31) flows of summer urban runoff from the Westside storm drain to an ultraviolet (UV) light treatment facility. The treated water would then return to the drain and be discharged into Old Mission Creek.

A citywide Bacterial Reduction Study, sponsored by the Creeks Division, identified the Westside storm drain as an opportunity to address a known "hotspot", prior to discharge into Old Mission Creek, and demonstrate the effectiveness of ultraviolet (UV) treatment for reducing pathogens in summer urban runoff. The project included a diversion and oil/water separation structure, a pump station, and a vault that houses a filtration unit and UV treatment facility.

SCOPE OF WORK

The Westside SURF is now located underground at the future Bohnett Pocket Park, near the intersection of Victoria and San Andres Streets. The project included a 25 foot deep excavation to the bottom of the existing 84-inch storm drain, construction of a 28 foot deep oil/water separation structure and pump station, and a 200 square foot buried

REVIEWED BY: _____ Finance _____ Attorney _____ Parks

Agenda Item No. _____

vault that houses a filtration unit and UV treatment facility. The completed facility has the ability to process between 100 and 200 gallons per minute of summer urban runoff water.

MAINTENANCE

Grant funding for this project requires that this facility be in operation for a minimum of 20 years. To insure the success of this project, the Creeks Division is pursuing a partnership with the Wastewater Division for their expertise in overseeing the contract maintenance of the facility. Creeks and Wastewater staff are working on a Request for Proposal for a maintenance contract to hire out for this unique and specialized maintenance.

FUNDING SUMMARY

On April 25, 2006, Council awarded the project construction to Specialty in the amount of \$657,998 and authorized the Public Works Director to approve expenditures for extra work in the amount of \$66,000. Council authorized the General Services Manager to execute purchase orders with URS Corporation, Incorporated (URS), in an amount not-to-exceed \$18,500 for design engineering services during construction, and with Pacific Rim Automation, Incorporated (PRA), in an amount not-to-exceed \$50,848.78 for supplying and installing an automated control system to monitor and run the treatment facility.

Specialty has completed all work in accordance with the contract plans and specifications. Final inspection of the work for acceptance by the City was made on January 19, 2007.

The final contract amount of \$698,986.47 is \$40,988.47 over the original contract amount of \$657,998. This difference is due to the issuance of three contract change orders in the amount of \$40,988.47.

Design (Consultant)	\$136,996.00
Design (City Staff)	\$65,426.46
Construction	\$657,998.00
Construction Change Order costs	\$40,988.47
Construction Support Services (Consultant)	\$18,000.00
Facility Automation and Control System	\$50,848.78
Construction Management/Inspection (City staff)	\$78,000.00
TOTAL	\$1,048,257.71

CHANGE ORDERS

The work covered by the three change orders consisted of extra time and materials needed to tie into the existing storm drain, a facility flow meter, additional temporary safety lighting at the request of the Police Department, and additional treatment vault piping.

The following chart summarizes the construction contract authorizations:

CONSTRUCTION CONTRACT FUNDING SUMMARY

	Basic Contract	Change Funds	Total
Initial Authorization	\$657,998	\$66,000.00	\$723,998.00
Final Actual Expenditure	\$657,998	\$40,988.47	\$698,986.47

Staff recommends that Council accept the work and approve filing of a Notice of Completion.

SUSTAINABILITY IMPACT

As part of the City's commitment to sustainability, this project removes harmful bacteria pollutants from the Westside Storm Drain, which drains 632 City acres before entering Old Mission Creek. The facility will decrease the chances of water borne illness in Bohnett Park and along Old Mission Creek. This project is a prime example of the commitment to restoration of nature and pollution prevention.

PREPARED BY: John Schoof, Principal Civil Engineer/JH/mj

SUBMITTED BY: Anthony J. Nisich, Public Works Director

APPROVED BY: City Administrator's Office